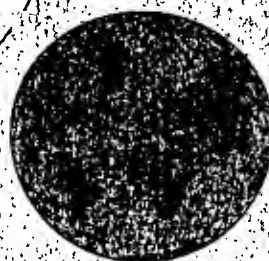
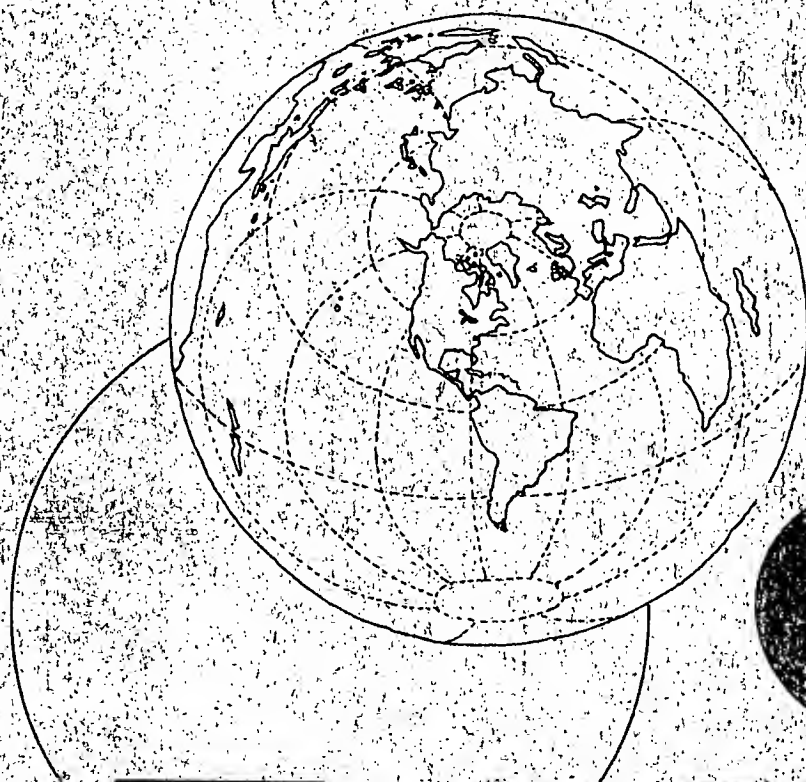


ARMED FORCES INSTITUTE OF PATHOLOGY

ANNUAL REPORT

1998



AFIP



NATIONAL MUSEUM OF HEALTH AND MEDICINE, AFIP

Adrienne Noe, Ph.D.

Director

Date of Appointment—September 1995

OFFICE OF THE DIRECTOR

MISSION/ORGANIZATION

The Office of the Director oversees the general activities and governance of all aspects of the Museum and provides policy, technical, and scientific direction. This office directs all activities for the site, facility, and programs of the Museum as its planning evolves. Activities handled within the office are external relations, governmental affairs, press and public relations, and institutional development. The office works with print and broadcast media, congressional offices, and local, national, and community organizations to encourage contact with and coverage of AFIP's National Museum of Health and Medicine. We seek to emphasize the Museum's focus on critical public and military health issues, the importance of the Museum as a bridge between biomedicine and the general public, the Museum's role in helping to recruit the health professionals of tomorrow, and the Museum's research programs in medical history, medical anthropology, the epidemiology of chronic disease, human diet and nutrition, art in medicine, medical imaging, and other areas. The office provides general supervision of the Office of Public Affairs, the Division of Programs and Exhibitions, and the Division of Collection and Research. The Office of the Director communicates and coordinates with the American Registry of Pathology (PL94-361) and numerous public and private organizations for institutional development. The Director, National Museum of Health and Medicine, is a member of the AFIP Executive Committee.

STAFF

Adrienne Noe, Ph.D., Director

Suzanne M. Silver, LtCol, USAF, MSC, Administrator

Theresa Garrard, Director's Assistant

Robert Goler, B.A., M.S., Special Projects

(D) Carole Mahoney, Public Affairs Officer

(A) Cynthia Muldrow, Administrative Support Assistant

The Office of the Director has represented the NMHM within the Institute at numerous regular and special meetings, most notably by participating as a full member of the Executive Committee, as a convener in the Institute's strategic planning process, and as a leader in the continued development of multiple projects. In addition, extensive work toward revitalization and promotion of Museum programs has been completed with professional medical, veterinary, and other groups, and such federal organizations as the Krasnow Institute for Advanced Studies, the National Institutes of Health, the National Science Foundation, the Howard Hughes Medical Institute, the Smithsonian Institution, and the Uniformed Services University of the Health Sciences.

As part of a continued effort to increase the effectiveness of the Museum's budget and staff efforts, the staff has accelerated its participation in collaborative projects with other universities, museums, and federal agencies. Activities include joint programming, collection collaborations, and shared exhibition development or installation. During 1998, work continued on several extramurally funded research projects.

Other active projects involve historical investigations on the public perception of the Museum as a public entity. Elements of this project continue to examine the Museum's public and professional dimensions, the inclusion of the Museum in Institute operations, and general Museum/Institute interactions.

Service to the Armed Forces Institute of Pathology by staff of this office includes membership in the Information Guidance Council, the Scientific Computing Group, the Master Planning Group, the Resources Management Committee, the Strategic Planning Committee, the Research Committee, the Registrars Forum, the Tissue Utilization Committee, and the Office of Continued Medical Education.

Additionally, we participated outside the Institute with numerous organizations, including the following groups: The National Oceanographic Atmosphere Administration, The Duke University Medical School Center for In-vivo Microscopy, The Aerospace Medical Association, The Association of Science and Technology Centers, the George Mason University, Health Sciences Consortium (as a member of its Board of Directors and a representative of the consortium's only Washington, D.C. site), the Congenital Heart Research Center at the Oregon Health Sciences University in Portland, the University of Illinois at Champaign-Urbana Biomedical Research Laboratory, and the Natural History Museum in London. Forty-two informal and formal lectures regarding the Museum and its mission were given.

Other professional services include executive roles with numerous medical and scientific groups, principal investigator roles with the National Science Foundation and National Institutes of Health funded activities, and continued service as a formal nominator for the scientific and medical image work for the Eisenstaedt Awards of the Columbia School of Journalism.

Several major Museum projects were successfully undertaken with the American Association for Electrodiagnostic Medicine, the Krasnow Institute for Advanced Studies, Howard Hughes Medical Institute, the Museum for African Art in New York, and the American Museum of Natural History and the National Gallery of Art in Washington, D.C.

OFFICE OF PUBLIC AFFAIRS

During 1998, the Museum Public Affairs Office continued its aggressive publicity and marketing campaign to increase name and image recognition with the public. The Museum's advertising solidified local and regional exposure, enhanced national and international exposure, and increased Museum attendance by over 38%. The marketing/advertising campaign placed 66 display ads in five major area newspapers, magazines, and tourist venues attracting the attention of the local and regional leisure/travel market. Advertisements for the Museum and specific exhibits and events appeared on a regular basis in *The Washington Post*, *The Washington Times*, *City Paper*, *The Baltimore Sun*, and *Washington Flyer* and *WHERE* magazines as well as in the nine major military papers supporting government installations within the National Capital region. Photos and Museum information for downloading were also available on electronic kiosks at Ronald W. Reagan National Airport and Dulles International Airport. The Museum built on existing *Yellow Pages* advertising with the addition of a color photo, 75 words of text, and a 60-second recorded message in the InfoScene directory. This package, with a combined circulation of more than 7 million, provided local market saturation and reached more than 20 million individuals. Critical to this ongoing advertising/marketing effort was the development of an established funding line to support advertising on a consistent basis throughout the year. This will allow the Museum to further increase its visibility in the public eye through 1999 and as 2000 approaches.

The Museum continued to initiate and expand relationships within military, medical professional, business, and tourism communities to achieve outreach and marketing objectives. The Museum Public Affairs Office also created numerous press releases, flyers, and other promotional materials necessary to support daily operations, including numerous public/educational programs and the installation of four exhibits during 1998. Roughly 100,000 copies of Museum informational materials were distributed to the public throughout the Washington, D.C. area via a brochure distribution service.

The Public Affairs Office of the Museum continued to develop partnerships with local and regional business and professional organizations that netted the Museum extramural and in-kind funding and created opportunities throughout the year for increased public exposure. The Museum created the opening event for the exhibit "All the Symptoms of an Artist: Working from Medicine," hosted by the Organization for Artists Trained in Health Care and sponsored by Johnson & Johnson, Inc. The Public Affairs and Public Programs Offices then planned and orchestrated "Civil War Days," the most successful event of the year, which commemorated the grand opening of the new Civil War exhibit. The groundbreaking 2-day public event featured Civil War reenactors and Civil War era historians, providing a varied array of public talks dealing with medicine, medical evacuation, and the life and time of the era. The Museum received over 700 visitors during a single weekend, and the event will be restaged annually. Civil War Days also marked the initial cooperative business venture between the National Museum of Health and Medicine and the Walter Reed Morale, Welfare and Recreation (MWR) Office aimed at creating an ongoing arrangement for both entities. Press on this event was broadcast nationwide, distributed by Knight-Ridder, the Associated Press, and other wire services. The Museum's designation as an official Civil War Discovery Trail destination continues to allow marketing as a partner in the Civil War Trust Discovery Trail arena nationwide, providing millions of Civil War heritage travelers an automatic pipeline to the Museum at no cost. The designation also guarantees the Museum's inclusion in the 1998 edition of *Former's Travel Guide to Civil War Sites*, increasing the likelihood the Museum will be included in other similar guides.

Electronic Media

Interviews with Museum staff or about Museum collections were featured in a variety of local, regional, national, and international TV, film, video, and radio projects throughout 1998, including the History and Discovery Channels. The Public Affairs Office arranged a series of radio interviews during 1998, and Museum staff were featured in an NPR documentary on the history of disabilities, which aired in Spring 1998.

The Web

The Museum Public Affairs Office was principally involved in development of the Museum Web page, which went online in March 1998. Other opportunities for online exposure targeting the tourism and education marketplace were also realized. The Museum remains listed on the Maryland Science Center Discover Science site, on Microsoft's [washington.sidewalk.com](http://www.washington.sidewalk.com), and at [washingtonpost.com](http://www.washingtonpost.com). Its Web site is also directly accessible from numerous WWW browsers.

Print Media

Public Affairs Office efforts accounted for a 300% increase over 1997 in overall print coverage, with a notable increase in coverage at the national level. Articles and significant mentions about the Museum or specific exhibits and programs were published throughout the year in numerous sources, including stories and mentions appearing in *The Washington Post* and the *Washington City Paper*, *New Anatomist* magazine, the *Pentagram*, and the *Stripe*. Features on the Museum also appeared in the AFIP LETTER. The Museum continues to be listed in a variety of popular travel guides, including the *Mobil Travel Guide*. For the second year, AAA's *Mid-Atlantic Region Guide* highlighted the Museum as a featured regional destination. Additionally, information about the Museum and its activities are mentioned with frequency in a variety of Washington Convention and Visitor Association calendars, travel planning guides, and other widely distributed promotional materials.

SPECIAL PROJECTS

In 1998, Robert Goler was asked to undertake research for two potential exhibitions. The first was a survey of the depictions of modern American medicine in popular culture, tentatively entitled "Bedside Manners: American Medicine in Popular Culture." Substantial research was conducted at the Archives of the American Academy of Motion Pictures, Gene Autry Museum of Western Americana, The Library of Congress, National Library of Medicine (National Institutes of Health), and the National Museum of American History, Smithsonian Institution. "Medical Lessons of Vietnam," was initiated late in the year. In conjunction with a research effort, inquiries were made at numerous agencies and organizations for potential loans, including the Veterans Affairs and the Vietnam Veterans Memorial Collection (National Park Service). These loans will supplement the holdings on deposit at the Museum.

Work concluded on the feasibility of a survey of historical medical holdings at military museums to develop a resource for future exhibition planning. Consultations with professionals at other government agencies determined that a number of major computerization projects were underway that would hamper efficient collection of data at this time; hence, it was recommended that any such survey be postponed to a future date, when data collection will be more efficient and data sharing more effective.

Mr. Goler provided historical assistance to staff at WRAMC's Borden Institute for a special publication on "Art and Military Medicine" (forthcoming). Finally, planning continued for a History of Medicine Course.

Institutional Research

Significant progress was made on institutional research; historical resources were reviewed at AFIP, Library of Congress, National Archives and Records Administration, National Library of Medicine, Smithsonian Institution Archives, and other facilities.

Previously unknown materials were uncovered, and information was provided to obtain duplicates for the Otis Historical Archives.

Portions of this research were presented at a conference on "The Legacy of the Civil War" at Indiana University. In addition, a research paper on the significance of the Museum's role in the processing of veterans' benefit claims was accepted for publication by the University of Michigan Press.

Professional Services and Development

During 1998, professional assistance to the museum field and to organize activities to generate greater awareness of the Museum's activities was a focus. Mr. Goler spoke on museum accreditation at the annual meeting of the American Association of Museums, and represented the Museum at professional meetings offered by the Historical Society of Washington, National Library of Medicine, and the Smithsonian Institution.

As part of the long-term strategy to increase the awareness and influence of the Museum, staff continued to explore possible collaborations and alliances with other cultural organizations in the metropolitan area. Mr. Goler served as a Museum Assessment Program surveyor for the American Association of Museums and as a board member of the Maryland Institute for Traditional Chinese Medicine. In his capacity as a member of the planning committee for the Annual Washington Historical Studies Conference, he helped facilitate a special visit to the Museum during the conference's off-site activities.

Mr. Goler continued as chair of the District Columbia Awards Committee for the American Association for State and Local History (AASLH). This appointment has enabled him to work closely with museum and nonprofit professionals throughout the region to increase awareness of the Museum's activities. Nominations were evaluated for the 1998 Award Competition and resulted in numerous recognition awards for local institutions.

DIVISION OF PUBLIC PROGRAMS AND EXHIBITIONS

MISSION/ORGANIZATION

The division directs and coordinates operational and interpretive components of the Museum. This includes administration, exhibitions, public programs, educational tours, facilities use, and related activities. Division staff work with governmental agencies, professional associations, museums, and individuals to develop interpretive strategies that promote greater public awareness of contemporary and historical perspectives on disease, public health, and health education.

STAFF

- Lisa Berndt, M.F.A., Designer
- Sarah Carey, B.F.A., Exhibits Specialist
- Katherine J. Epler, B.A., M.A.T., Visitor Services Manager
- (A) Maurice Young, Visitor Services Representative
- Jeanne Levin, B.S., Tour Programs Manager
- (A) Veda Taylor, Visitor Services Representative
- (A) Nicole Gunter-Thomas, Visitor Services Representative
- (A,D) David Mandel, B.A., M.A., Visitor Services Representative
- (A,D) Theresa Norman, B.A., Visitor Services Representative
- Paul J. Wcisel, B.A., Visitor Services Representative
- Amy E. Simonsen, B.A., Visitor Services Representative
- (D) Kathryn A. Foat, B.S., M.A.T., Public Programs Coordinator

DOCENTS

Dr. Sal Battiata, Dr. Ed Beeman, Catherine E. Bonomo, Dr. Merlin Brubaker, Edward Byrde, (D) Dr. Irving Cashell, James J. DePersis, Margaret Garner, Dr. Jason Geiger, (D) C. H. George, Dr. Ira Green, Regina Hunt, Albert Jacobs, Carol Jorgensen, LaVerne Madancy, Kay McMahon, Dr. Richard Mulvaney, Sol Pargament, Colleen Pettis, Anne Pollin, (D) Shirley Ross Pyke, Dr. Edward Rea, Enid Rosen, (D) Vivian Sadin, Dr. George Sharpe, Dr. S. Stephen Schiaffino, Mary Wilburn, Caroline Wittenberg, and Rose Zimmerman. (Docents contributed 2,931 hours of guiding tours, developing content-based tours, and participating in training.)

Two individuals volunteered hours to support activities in Museum divisions—in the Otis Historical Archives, Ms. Marcy Leverenz volunteered 154 hours, and in Historical Collections, Mr. Markins Ring volunteered 122 hours.

INTERNS

The following high-school, college, or graduate students completed internships at the Museum: Each intern is listed with the number of hours contributed: Denise Brady, 55; Jessica Dreyfus, 137; Josh Goodman, 92; Grace Rodriguez, 249; Shulpa Shah, 155; Keewook Song, 168; Benjamin Walker, 94; and Julie Probst, 67.

VISITOR SERVICES

Attendance

Overall attendance at the Museum in 1997 was 61,307. Additional special events include programs by the Museum for public audiences, receptions for organizations with missions related to those of the Museum, meetings or courses offered by other divisions of the AFIP, and meetings or training sessions.

Category	Numbers
General Attendance (walk-in visitors)	33,296 individuals
Tour groups (348)	11,919 individuals
Unscheduled	11,469 individuals
Special Events	4,622 individuals

Overall attendance increased by 21% over last year. The combined numbers of unscheduled groups and guided tours increased by 27% over 1997, an increase over the 14% growth between 1996 and 1997. The unscheduled groups also increased by 27% over last year.

OFFICE OF PUBLIC PROGRAMS

The Public Programs Committee continued to guide the development of a range of educational programs offered at the Museum. In 1998, the department offered programs in forensic anthropology, American history, and the connection between medicine and the humanities.

"At America's Gate: The U.S. Immigration Story" was a lecture/film series in conjunction with the temporary exhibition "Doctors at the Gate: The U.S. Public Health Service at Ellis Island." This five-part series was presented in February and March. David Parker of the Library of Congress Film Division began the series with an introduction to *The Italian*, a 1910 silent film. American University professor Alan M. Kraut used his book, *Silent Travelers: Germs, Genes, and the "Immigrant Menace,"* to discuss the history of the 1890-1920 immigrant boom. U.S. Public Health Service historian John Parascandola presented the history of the Public Health Service and a gallery talk on the exhibit. Michelle Bernier-Toth of the State Department and Richard D. Moyer from the Centers for Disease Control looked at contemporary immigration legislation in a program entitled "Who Gets In?" Another film concluded the series, *America America*, an award-winning 1964 film by Elia Kazan, which was introduced by Michael Jeck of the American Film Institute and *The Washington Post*.

The fall lecture series was given in conjunction with the temporary exhibit "All the Symptoms of an Artist: Working from Medicine." The series began in October with a lecture entitled "The Art of Good Health," by environmental psychologist Roger Ulrich. The second lecture, a panel discussion entitled "In Their Own Words," was moderated by exhibit curator Cynthia Roznoy.

In October, the reopening of "To Bind Up the Nation's Wounds: Medical Care During the Civil War" was celebrated with "Civil War Days," a weekend-long set of programs at the Museum.

Professional Training

Montgomery County Public Schools participated in teacher training on comparative anatomy, microscopy, and human physiology taught by Museum docent Catherine Bonomo and staff members Lenore Barbian, Katherine Epler, and Paul Sledzik.

Events of note included:

Smithsonian Associates, the opening reception for "Doctors at the Gate" exhibit, a reception for NeuroScan, Inc., the WRAMC-MWR Surgical Society reception, the United States/Canadian Association of Pathologists reception, and the opening reception for "All the Symptoms of an Artist" exhibit.

Ongoing Programs

The Museum offered weekend public tours to walk-in visitors every second and fourth Saturday, beginning in September. Reservations were not required, and visitor comments were favorable.

The Discovery Carts remain popular with general visitors. A new topic, "A Forensics Mystery," was added in 1998. Visitor services representatives staff the carts every Saturday and Sunday, and on holidays. Discovery Boxes, aimed at the pre-school audience, are currently undergoing revisions.

Tour Program

Docent training: Ten new docents, recruited in 1997, finished their 6-month training period in February 1998.

The three new tours developed last year as part of 1997's "Curriculum Connections" initiative continue to be popular. A new ad campaign targeting one of these tours, "The Nature of Medicine," has brought increased interest and phone requests, while "The Human Body" tour is in the most demand. For the first time, this tour was offered to grades 6, 7, and 8 as well as high-school grades. This activity is a hands-on, interactive activity for high-school students, and has been given five times.

Group size continues to expand as schools are increasingly required to maximize the use of buses. On average, the group size is 33 students; however, the range was from 5 to 155. Ongoing monthly docent training sessions are an important part of maintaining quality guided tours. This year, sessions included

six lectures by AFIP and Museum staff and a lecture on diversity awareness. The Museum also hosted 22 events for the Institute and Walter Reed Army Medical Center staff.

PROFESSIONAL ACTIVITIES

Katherine Epler served as a member of the Museum Education Roundtable on the Program Planning Committee. Ms. Epler was a judge for the National History Day competition in May.

Kathryn Foat served as a grant reviewer for the Institute of Museum and Library Services.

OFFICE OF EXHIBITIONS

Exhibits Committee: The Exhibits Committee, chaired by Lisa Berndt, continues to monitor exhibit schedules, staff time allocation, and insure resonance between the current exhibit program and the Museum's long-term goals.

Research Matters: This exhibit program provides Museum visitors with a window into AFIP research activities. Piloted in 1996, the program occupies an exhibit case in the Human Body/Human Being exhibit gallery. Included in the series is "And One Small Step for Cell Biology. . . Astronauts' Post-Flight Weakness Prompts Scientists to Study the Effects of Gravity on Cells," which opened on May 20, 1998. This exhibit highlights AFIP staff's studies on space-flown muscle cell myoblasts. Major David Kulesh and CAPT William Ross provided content guidance during exhibit planning, initiated in the fall of 1997.

Temporary Exhibit Program: The Museum's 1,430-sq ft Silliphant Hall is dedicated to temporary installations. Exhibit programming for this space continues to be used to meet one of the Museum's exhibition missions of exploring the links between the humanities and the world of medicine. Museum staff installed two exhibits during 1998, and conducted significant planning for a third exhibit to open in February of 1999. They included "Doctors at the Gate: The Public Health Service at Ellis Island" (February 5, 1998- June 21, 1998).

The Museum collaborated with the Public Health Service to revise and redesign an exhibit that was previously developed for the National Park Service's Ellis Island Immigration Museum. The exhibit, curated by Public Health Service historian John Parascandola, Ph.D., marked the 200th anniversary of the United States Public Health Service, and focused on the role of Public Health Service doctors, nurses, and other health professionals at Ellis Island during the peak years of immigration, 1892-1924. Museum and AFIP staff worked with Dr. Parascandola to augment the portion of the exhibit examining those health conditions that precluded entry to the United States.

All the Symptoms of an Artist: Working from Medicine (July 23- January 3, 1999). The Museum served as second venue for this traveling show of fine artists who come from health care backgrounds. The exhibit was organized by Organization for Artists Trained in Health Care.

To Cure and Protect: Sickness and Health in African Art. Planning for this traveling exhibition, slated for opening in Silliphant Hall on February 18, 1999 for a 6-month run, commenced in the spring of 1998. The exhibit was initially displayed at the Museum for African Art in New York in 1997. Consisting of 100 artifacts, the exhibit explores the depiction of health and illness in sub-Saharan African cultures. The Museum worked with the Exhibits Production Branch to initiate a contract to build 13 reusable exhibit cases that will provide microenvironments for sensitive artifacts.

Major exhibition efforts also included "To Bind up the Nation's Wounds: Medicine during the Civil War," which opened September 17, 1998. Planning for this permanent exhibit installation commenced in fall of 1997. The exhibits "Civil War Medicine" and "The Patient is Abraham Lincoln" were retired from the gallery, and their key artifacts were incorporated into the new plan. The new exhibit, which occupies a quadrant of Brinton Hall, explores the themes of trauma and surgery; evacuation and hospitalization; and disease and hygiene. The exhibit draws upon the Museum's unique civil war holdings to provide an artifact-rich experience for the visitor.

Mini temporary exhibit program: Deinstallation of the exhibit "The Patient is Abraham Lincoln" provided a 25-ft wall space, which has been transformed into a new changing exhibit gallery. It is anticipated that this physical space will be reabsorbed into permanent installation space in the year 2000. Two exhibits were installed in the mini-gallery during 1998.

A Splendid Little War's Costs: The Spanish-American War and Philippine Insurrection (September 11, 1998-November 30, 1998). Cocurated by archivists Michael Rhode and Mitchell Yockelson of the National Archives and Record Administration, this exhibit incorporated 14 photographs from the Otis Archives with a variety of artifacts from Historical Collections to provide a snapshot of the state of medicine during the Spanish-American War.

Find the Cure! (December 1, 1998-June 6, 1999). This installation features 12 multimedia artworks by Philadelphia artist Yigal Elyadin. Elyadin tracks the search for a cure for AIDS by translating lab and test results into colorful pencil sketches which are then incorporated into three-dimensional works of art.

National History Day Pilot Program: (June 30, 1998-August 5, 1998). The Museum displayed three medically themed tabletop exhibits created by student finalists in the 1997 National History Day competition. The Museum partnered with National History Day staff to provide this opportunity for students to display their work once the annual competition concluded at the University of Maryland.

Audience Research

The Museum has contracted with Randi Korn & Associates to conduct focus group sessions and visitor surveys to track the range of ways visitors respond to encountering human specimens on display in the Museum's galleries. The Exhibits Division intends to use the information gained to insure that visitors' experiences include learning.

Exhibit Proposal Development

The Exhibits Division initiated a planning process for a possible upcoming exhibit entitled "Body Electric." The goal of the exhibit is to acquaint visitors with the ways the body's nerves communicate with muscles via electrical impulses and how electrodiagnostic medicine can be used to diagnose a number of nervous system disorders. The Museum contracted with Chris White Design Inc. to develop an exhibit proposal that was presented at the American Association of Electrodiagnostic Medicine's Annual Meeting in October 1998. The American Association of Electrodiagnostic Medicine Foundation for Research and Education, Inc., funded the proposal phase through a restricted donation to the American Registry of Pathology.

DIVISION OF COLLECTIONS AND RESEARCH

HISTORICAL AND ANATOMICAL COLLECTION

MISSION

The Collections Division of the NMHM preserves materials representing the broad subject areas related to the history and practice of American medicine, military medicine, and modern medical and health issues and research. Each collecting division specializes in different media and subject areas. The division's responsibilities are to:

- provide the highest level of professional care for the NMHM collections and their associated documentation.
- collect objects, specimens, and related archival materials deemed significant and relevant to the mission of the NMHM. Potential acquisitions must be properly documented and supported by the division's collecting plans.
- support research, exhibits, and public programs through access to collections.

STAFF

Lenore Barbian, Ph.D., Collections Manager
Alan Hawk, B.A., Collections Manager
Donna Scorzelli Quist, B.A., Assistant Collections Manager
Paul S. Sledzik, M.S., Curator
Christina Sweet, M.S., Conservator
Wendy Turman, M.A., Registrar
Interns: Denise Bradley, Grace Rodriguez
Volunteers: Josh Goodman, Markus Ring

CURATION AND COLLECTIONS MANAGEMENT

The Collections Division is responsible for the curation and management of the Museum's collections. These responsibilities encompass management of existing collections, the acquisition of new objects and collections as directed by the collecting plan, registration of collections and objects, conservation of objects and collections, maintaining information about the collections, space management, and loans (both incoming and outgoing) of objects.

The Collections Committee is comprised of all staff members of the division and the staff of the Otis Historical Archives. The committee dealt with issues of curation and collections management in bi-weekly meetings. The committee worked on a variety of issues, including implementation of a new accession/deaccession policy.

Anatomical Collections

Several collections were rehoused and their computerized databases verified. Fifteen wet-tissue specimens, both on loan and for exhibit, were refurbished. A contract was finalized to complete an inventory of the gross wet-tissue collection. A memorandum of understanding between the Museum and the Smithsonian Institution was drafted that clarifies the relationship of these collections and outlines the repatriation procedures in accordance with the Native American Graves Protection and Repatriation Act and the National Museum of the American Indian Act.

Historical Collections

Computerized inventories of artifacts stored in Hammond Hall, the microscope storage area, the warehouse, and the exhibit halls now include 14,895 artifacts, approximately 98% of Historical Collections. The inventories include catalog number, accession number, classification based on NLM Medical Subject Headings (MESH), object name, and location. The Computer Catalog, which differs from the inventory by containing a more detailed description of the artifact, now includes 9,910 artifacts, approximately 65% of the collection. The 419 items cataloged in 1998 include new accessions, previously accessioned artifacts, and artifacts going out on loan. To increase the storage capability of the Hammond Hall space, 18 storage cabinets were installed in August 1998. These cabinets will house anatomical models, military uniforms, and oversize artifacts. This installation begins a reorganization of the artifacts stored in Hammond Hall to maximize the use of storage space. The rehousing of the anatomical model collection, much of which had been stored in cardboard boxes since 1982, began. This project includes cataloging, conservation survey, and relocating the models into cabinets. Seven storage cabinets were transferred from the Human Developmental Anatomy Center to house objects from the Billings Microscope Collection. These storage cabinets and three others will replace the open shelving presently used for the collection. This reorganization of the Billings Microscope Collection storage room will improve security, enhance accountability of the collection, and enclose the collection to help preserve this rare and significant collection.

OFF-SITE STORAGE FACILITY

During the past year, the Museum made significant progress in addressing collection management needs at its off-site storage facility in Gaithersburg, Maryland. Thirty objects were moved from the Museum collections storage area and exhibit floor to the off-site storage facility, where they were crated for long-term storage.

The mezzanine space formerly used by the AFIP Tissue Repository to house the records from the Base Realignment and Closure Project was modified to accommodate storage cabinets purchased to house the Holt Collection of archival and historical material. Additional pallet racking for storage of crated artifacts and exhibit cases was also purchased and installed.

ACQUISITIONS

The collecting divisions (Anatomical Collections, Historical Collections, and the Otis Historical Archives) processed 37 accessions during the past year. The acquisition of these unique artifacts, specimens, and archival material expanded the Museum's holdings by several hundred items. Individuals who donated materials to the Museum include: Thomas H. Garver; Eugene Hunter; Wendy Wadinger; the estate of Dr. Lemuel Whitley Diggs; Benjamin H. Pubols, Jr., Ph.D., and Lillian M. Pubols, Ph.D.; James L. Hansen, M.D., COL(rtd); David O'Neill; Juanita Barkley; Nelson Irey II; Marcy Leverenz; Faye Brown; Frank Williams; Frederic Sharf; LT Katy Hawkins; Dr. Bruce Smith; and Arthur de R. Barondes.

Organizations that donated or transferred material to the Museum include: Altitude and Hyperbaric Physiology Division, Scientific Laboratories, AFIP; Commissioned Officer Association, Washington D.C. Branch; Office of the Armed Forces Medical Examiner, AFIP; Center for Disease and Immunology, Walter Reed Army Institute of Research; Dental Pathology, AFIP; Division of Surgery, WRAIR; Retractable Technologies, Inc.; Rhode Island Army Reserve National Guard; USPFO Kansas; and Repository and Research Division, AFIP.

In the Historical Collections, 20 accessions, consisting of a total of 116 artifacts, were donated. Efforts to document the current state of military medicine resulted in the acquisition of three items from military medical excess: one MES Chemical Agent Patient Treatment, one field surgical sink, and a water distillation apparatus. Additional acquisitions include: LSTAT mock-up used to determine the feasibility of the concept, one Inspiraidd VA-1 portable respirator, and uniforms belonging to COL James Hansen and CAPT Bruce Smith, former Directors of AFIP.

Historical Collections continues collecting relationships with the American Association of Electrodiagnostic Medicine, which is interested in sponsoring an exhibit at the Museum, and the Commissioned Officer's Corps of the United States Public Health Service.

CONSERVATION

Conservation treatments were completed on 85 objects from the collections. Significant projects included the treatment of over 70 historical objects and anatomical specimens in preparation for "To Bind up the Nation's Wounds," as well as several treatments of historical objects and anatomical specimens for loans to the National Gallery of Art and the San Diego Museum of Man. A contract was initiated with Conservation Anthropological for an extensive treatment of a tattooed torso from the Anatomical Collections.

As the removal of objects from open storage in Hammond Hall was completed, a plan to reorganize and provide better housing for collections in Hammond Hall was implemented. Additional storage cabinets were purchased and installed in the Historical and Anatomical Collections area, and a painting storage rack was also installed. In addition, specialized storage cabinets were ordered in conjunction with the plan developed last year for new housing in the microscope storage area.

A new protocol was developed and implemented for research and testing all materials used in Museum exhibits.

LOANS

Six loans were made from the National Museum of Health and Medicine in 1998. The loans included 11 anatomical specimens and 17 historical artifacts.

Institutions that borrowed from the Museum include: National Gallery of Art for an exhibit titled "A Collector's Cabinet"; France Casting; Northeastern University College of Criminal Justice for an exhibition, "In Search of the Born Criminal"; San Diego Museum of Man for an exhibition titled "Mysteries of the Mummies"; Conservation Anthropological; and Howard Hughes Medical Institute for the 1998 Holiday Lectures on Science.

Christy Sweet and Wendy Turman made site visits to several institutions to assess the conditions of objects on loan. These include 26 historical objects on loan to the National Eye Institute traveling exhibition, "Vision"; the Samuel Gross statue on loan at Jefferson Medical College in Philadelphia; and seven plastinated specimens on loan to the Franklin Institute in Philadelphia.

Exhibition Support

Division staff provided the important services of script and label copy, research support, loan processing, object examination, conservation treatments, objects installation and deinstallation, and light level surveys of several in-house exhibits and temporary exhibitions.

The largest exhibit completed this year was "To Bind up the Nation's Wounds: The State of Civil War Medicine." Lenore Barbian and Alan Hawk provided topic research for several areas of the exhibit. Paul Sledzik wrote the text for the show. Christy Sweet was responsible for all conservation and object handling and mounting issues for the exhibit, including over 70 objects and specimens. Wendy Turman managed the documentation of the objects and specimens.

Other exhibits included: "Doctors at the Gate" (Barbian, Sweet, and Turman); "And One Small Step for Cellular Biology" (Hawk and Sweet); "All the Symptoms of an Artist" (Sweet and Turman); "A Splendid Little War" (Hawk and Sweet); and "Find the Cure" (Turman).

Wendy Turman and Christy Sweet worked with the exhibits department to clean and inventory 13 medical instrument exhibit cases.

In addition, work began on several exhibits scheduled to open in 1999, including the revision of "Living in a World with AIDS" (Barbian) and the next "Research Matters" exhibit (Barbian).

Alan Hawk and Lisa Berndt collaborated with the American Association for Electrodiagnostic Medicine to develop an exhibit about the medical specialty of electromyography.

Research Requests

Anatomical Collections: The Anatomical Collections received 60 written, E-mail, and telephone inquiries, including information requested from researchers at: Gettysburg National Battlefield Park; Forestville High School; Emporia State University; Oskar Diethelm Library; Actuality Projections; Department of Anthropology, Johns Hopkins University; Department of Anthropology, Ohio State University; American Academy of Otolaryngology; Society of Archer-Antiquaries; University of Queensland (Australia); Abraham Baldwin College; Northern Illinois University; Northeastern Ohio University College of Medicine; Dream Catcher Films; *Discover Magazine*; College of Medicine, University of Tennessee; and Department of Anthropology, Iowa State University. The BBC interviewed Lenore Barbian for an upcoming segment on General Daniel Sickles to air in 1999. Paul Sledzik was filmed for a segment on the History Channel featuring Daniel Sickles Leg and a segment on the Discovery Channel on vampires. Photographs of skeletal specimens from the collections are a prominent part of the Cambridge Encyclopedia of Human Paleopathology (Cambridge University Press).

CONSERVATION

The Conservation Office was contacted by the University of Maryland to undertake a conservation assessment of the Burns Collection of medical mummies. The condition of the specimens was assessed and recommendations for the appropriate treatment of the collection were provided.

Historical Collection

The collection staff received 147 requests for information during the year. These included requests from researchers at the following institutions: Colonial Williamsburg Foundation, Chicago Historical Society, Holt Reinhart and Winston Textbooks, National Institute of Standards and Technology Museum, and the Strawberry Bank Museum. Alan Hawk was interviewed for an upcoming show "Modern Marvels; Battlefield Medicine" to be aired on the History Channel in 1999.

PROFESSIONAL ACTIVITIES

In addition to responsibilities involving curation and collections management, division staff supported AFIP activities and participated in educational activities, professional meetings, public lectures, and scientific research.

Anatomical Collections

Lenore Barbian and Paul Sledzik continued to provide a range of services to the AFIP, professional organizations, and school groups.

Forty-eight participants attended the eleventh annual Forensic Anthropology Course held at USUHS. Evaluations indicated it was another very successful course. Paul Sledzik coorganized a similar course at the University of Bradford (England) for the third year.

Dr. Barbian and Mr. Sledzik also provided support to an ongoing program with Montgomery County (Maryland) Public Schools for elementary school teachers training by offering several lectures on skeletal biology and forensic anthropology. They helped finalize the first-ever course in human evolution and biology for the county and presented lectures at various DC-area high schools. Lenore Barbian organized a day-long seminar in skeletal biology to students at Thomas Jefferson High School of Science and Technology in Alexandria, Virginia, the magnet school for science in the county. Paul Sledzik continued his biannual lectures at the school. He also gave gallery tours for "Civil War Days," the public event associated with the opening of the "To Bind Up the Nation's Wounds."

In May, Paul Sledzik and Christy Sweet served as consultants to Harvard Medical School for future planning and current status of the Warren Anatomical Museum. They visited the museum collection, assessed its current state of care, and made recommendations as to its future.

Paul Sledzik was appointed team commander for the Region III Disaster Mortuary Operational Response Team, a division of the USPHS/DHSS. The team encompasses DC, Delaware, Maryland, Pennsylvania, Virginia, and West Virginia. The DMORT team will work closely with OAFME and other federal agencies to provide forensic support in the event of a mass disaster in this area. He provided laboratory support for AFIP Forensic Dentistry course. Mr. Sledzik participated in a conference at Chico State University (Calif) on current research, future trends, and employment in forensic anthropology in February of 1998. He also assessed the new program in forensic sciences at Prince George's County Community College.

Paul Sledzik and Lenore Barbian completed the contract for development of the NMHM Web page, a task ultimately involving most Museum staff.

Conservator

Christy Sweet represented the Museum at the American Institute of Conservation annual meeting in Rosalyn, Virginia, and hosted tours of the collections for groups of visiting conservators attending the meeting. She also presented a poster session at the meeting titled "Disaster Case Designs for Wet Specimens: Mitigating Hazards from Chemical Spills."

Historical Collections

Alan Hawk is presently serving as president of the Medical Museums Association. Alan Hawk completed the U.S. Army Advanced Curatorial Methods Training Course on August 28, 1998. He served as a moderator for "Contraception and Medical Museums," at the Medical Museums Association Annual Meeting and "Medical Museums and the Material Culture of Medicine," at the American Association for the History of Medicine Annual Meeting.

Registrar

Wendy Turman represented the Museum at the annual meetings of the American Association of Museums in Los Angeles and the Registrar's Committee of the AAM.

OTIS HISTORICAL ARCHIVES

STAFF

Michael Rhode, Chief Archivist
(D) Joan Redding, Assistant Archivist
(A) Heather Lindsay, Assistant Archivist
Marcy Leverenz, Volunteer

Research Requests

The archives received approximately 200 requests for information this year, not including medical museum and AFIP requests, visitors, or referrals to other institutions. Rhode was interviewed about Civil War injuries by Laurie Block for her National Public Radio documentary "Beyond Affliction: The Disability History Project," on December 30, 1997; the show aired on May 4, 1998. Christine Schuyler of Atlas Media interviewed Rhode on Daniel Sickles for The History Channel's "History's Lost and Found," on March 23, 1998; the show aired December 2, 1998. Simon Winchester used Army Medical Museum case records contributed by Dr. W.C. Minor for his best-selling book on the Oxford English Dictionary, *The Professor and the Madman*.

Researchers were affiliated with the Alexander Ramsey Historic Site, American Museum of Natural History, Camp Dennison Ohio Civil War Museum, National Dental Museum, Smithsonian Institution-National Museum of Natural History Repatriation Office and the National Museum of American History, Arizona State University, Boston University, Colombia University, East Tennessee State University, Louisiana State University, McGill University, National Defense University, New York University Medical Center, Tallahassee Community College, University of British Columbia, University of California-Los Angeles, University of Maine, University of Maryland, University of Pennsylvania, University of Puerto Rico, West Virginia University Foundation (for the Medical Examiner), Central Calley Press, *Esquire* Magazine, Jobson Publishing, *Richmond Times Dispatch*, Time-Life Books, A & E Television Networks, Actuality Productions, Atlas Media/History Channel, BBC Horizon, Canadian Broadcasting Company, Granite TV, Guinness World Records Prime time, NBC News, *New York Times* Television/Science News, RDF Television, WFAA-TV News, American Academy of Otolaryngology, Army Veterinary Corps, Dog Fashion Disco band, Image Hunters, Mt. St. Mary's Seminar, National Park Service, Schwartz Health Care Center, and Straight Ahead Pictures.

Research also focused on Peter Baumgras (one of the Museum's minor Civil War artists), who was of interest to two researchers—his descendants and a biographer. Baumgras, after leaving the Museum, had a successful career as a painter. The Vorwald Industrial Medicine Collection was getting a lot of use at year's end due to impending asbestosis court cases.

ACQUISITIONS

Major acquisitions included: AFIP records from former Director Bruce Smith, including many photographs of 1960s events; Dr. Elizabeth Lockard reprint collection, Dr. Nelson Irey's personal and office papers, Dr. Diggs' sickle cell anemia photographs, Fitzsimmons Army Hospital autopsies, Gorgas Army Hospital autopsies, the Meyers Hologram Collection, and Museum records from staff members. Many small donations of books, posters, pamphlets, trade literature, and photographs were added to the overall collection.

EXHIBIT SUPPORT

Rhode and Mitchell Yockelson of the National Archives wrote "The Costs of 'A Splendid Little War': The Spanish-American War and Philippine Insurrection" exhibit, which was displayed September 11 - November 29, 1998. The exhibit showed treasures of the Museum and included photographs from the archives and models, weapons, and surgical instruments from Historical Collections. A positive review by Eugene Meyer ran in *The Washington Post* on the day the exhibit opened. Rhode worked on the new Civil War medicine exhibit, and Redding edited two exhibit scripts.

COLLECTIONS MANAGEMENT

Redding arranged, rehoused, and wrote the finding aid for the Army Vet Corps Archives. Lindsay processed and wrote the finding aid for the Kanof Collection. She is processing the Civil War medical illustrations and the Irey papers. She also added material to the AFIP historical files and updated the finding aid and completed various smaller processing projects. She and Rhode cataloged additions to the Medical Ephemera, New Contributed Photographs, and General Medical Products Information Collections. Marcy Leverenz cataloged several boxes of the Reeve Collection photographs from World War I,

veterinary pathology videotapes, and Civil War medical illustrations. Grace Rodriguez, a student intern from the University of California, processed and wrote finding aids for the D.K. Winter Medical Illustration Collection; the Garnet Jex Medical Illustration Collection, and the Meyers Hologram Collection.

PROJECTS & OTHER ACTIVITIES

The *Guide to the Collections at the National Museum of Health and Medicine* is still essentially complete and in preparation for publication by the American Registry of Pathology. Photographic illustration selection continues.

The section of the guide dealing with the Archives was mounted on the Museum's Web site by Lindsay. Lindsay also converted and put 14 finding aids, selections of Civil War and smallpox photographs, a guide to the Archives' Civil War material, a guide to the Museum's hospital ship material, a Civil War medicine bibliography, Rhode's report to the Kennedy Assassination Records Review Board, and links to other military or medical institutions on the Web site.

As agency compliance official for the John F. Kennedy Assassination Records Review Board, in 1997 Rhode reported on the AFIP's efforts to find material related to the President's death. The board accepted the report in the fall and went out of business the following year. He served during the year on the AFIP's Institutional Review Board (formerly the Human Subjects Committee), the Master Planning Group (the new building committee) and the Library Committee. Rhode continued to serve this year on the Museum's Administrative Committee. He was appointed to head the Museum's World Wide Web task force in the fall. In addition to two exhibit scripts, Redding edited press releases, brochures, and job descriptions. She served as a member of the Museum's Public Programs Committee. Rhode, Redding, and Lindsay were members of the Museum's Collections Committee. Lindsay served on the Web task force and was appointed as a terminal area security officer (TASO). Lindsay attended the Society of American Archivists convention in Florida.

RESEARCH COLLECTIONS

MISSION

The mission of Research Collections is principally to acquire, preserve, and encourage the use of major research collections for all qualified members of the research community. The collection is made available for research and for education by appointment and via Web site. Continued stimulation of new hypothesis-driven research is a top priority.

The Human Developmental Anatomy Center has entered its fifth year of funding by the National Institutes of Child Health and Human Development, The National Center for Research Resources, and the Office of Research on Women's Health. The Neuroanatomy Collections continue to be the recipient of National Science Foundation funding for electronic collection development.

STAFF

- Adrienne Noe, Ph.D., Director
- Archibald Fobbs, Museum Specialist
- Elizabeth C. Lockett, Imaging Specialist
- William F. Discher, Imaging Technician
- (A) Deborah Sweet, Imaging Technician
- Sandra Westbrook, NSF Project Technician
- Dale Huff, M.D., Department of Pathology, Magee-Womens Hospital, Pittsburgh, Pennsylvania
- James Petras, Ph.D., Neurotoxicology, WRAIR
- John I. Johnson, Ph.D., Department of Anatomy, Michigan State University
- Wally I. Welker, Ph.D., Department of Physiology, University of Wisconsin-Madison.
- Benjamin R. Walker, Ph.D., Pharmacology Department, Georgetown University.
- Volunteers
 - Edward Beeman, M.D.
 - Stephen Schiaffino, Ph.D.
 - Student Interns
 - Shilpa Shah
 - Jennifer Burrell
 - Jesse Grey
 - Ronette Curtis
 - Lorrie Tanobe
 - Keewook Song
 - John R. Rzasa
 - Michael T. Watkins

Dorthea Simpkins
Kiawana Williams

HUMAN DEVELOPMENTAL ANATOMY CENTER

The Human Developmental Anatomy Center includes the following collections: The Carnegie Institution Human Embryology Collection, The Cornell Human and Comparative Embryology Collection, The Hooker-Humphrey Collection, The Elizabeth Maplesden Ramsey Collection, The George Sedgewick Minot Embryology Collection, The Ary-Dapena Pediatric Pathology, and the Gaenssler Pulmonary Pathology Collection.

CONSERVATION

Reprints from the Minot Collection were placed in acid-free envelopes and folders and filed. The wet tissue from the Carnegie Collection was checked and topped as necessary. A set of rolling aisles was installed to conserve space and to provide long-term storage of photographs, records, and reprints from the Carnegie Collection. The Ramsey Collection was boxed and re-housed.

Tours

The Anatomy Center hosted 21 tours for visiting military VIPs, school tours, professional organizations, and 18 building renovation groups this past year.

Researchers

Seventeen visiting researchers were here for 72 days, reviewed the collection for specimens relevant to their fields of study, and imaged tissue sections using both digital and 35mm cameras. Several new data sets were added to the collection as a result of researcher efforts. Five on-site researchers took advantage of the center's networking capabilities to send data back to their home facilities electronically. The center responded to 11 electronic requests for images requiring 7 staff days to fill.

Fifteen tapes of section data were sent out this past year. Images from all digitally captured embryos have been posted to an anonymous for site to ease researcher access and reduce requests to department staff. Three-dimensional CGI models of embryos, images of whole embryos, animations of growth and development of embryos, and historical information about prominent embryologists have also been sent to various publications and doctors for publication in papers for the general public.

Collaborative Projects

The center continued its collaborative project with the Congenital Heart Research Center at Oregon Health Science University. Dr. Dale Huff continued to work on documenting the biphasic model of mesonephric development using computer-generated models. The University of Illinois at Chicago continues to produce a series of animations depicting normal human development, using models and specimens from the center. These will be available via Web site for teaching and patient information. The center is continuing to work with Dr. Bradley Smith from Duke University Center for In-vivo Microscopy by providing specimens for a three-dimensional atlas of human development using MRM technology to generate the images. The center began working with Dr. George Michaels at George Mason University. GMU and the center have received a grant to pursue a grant to make the center a test bed for a next generation Internet database project. Currently, center and GMU staff are doing surveys and laying ground work for a series of test data sets.

Neuroanatomy Collections include The Yakovlev-Haleem Neuropathology and Development Collection, the Blackburn-Neumann Collection, the Lindenburg Forensic Pathology Collection, the Welker Comparative Neuroanatomy Collection, the Rubenstein Collection, the Adolph Meyer Neuropathology and Development Collection, the Isabel Lockhard Comparative Neuroanatomy Collection, and the Benjamin Pulos Comparative Anatomy Collection.

Web site

Information about the Neuroanatomy Collections of the National Museum of Health and Medicine of the Armed Forces Institute of Pathology has been developed for, and displayed on, the NSF-funded Web site maintained by the University of Wisconsin-Madison.

CONSERVATION

Slide conservation efforts have begun on the Yakovlev-Haleem Collection. This procedure calls for a visual inspection of each histological slide in the collection and the trays they are stored on in the movable isle system. Wet-tissue conservation for the Yakovlev-Haleem Collection continues on a regular schedule. Fluids are changed periodically. Paper documents of the Blackburn-Newmann Collection were moved from the Department of Neuropathology and rehoused in map cases at the Museum's off-site

storage facility in Gaithersburg, Maryland.

Equipment

The number of computer workstations has been increased to handle the increased number of projects in which the collections are presently involved. The computers have upgraded capabilities, peripheral equipment, and software.

Research

Researchers visiting the collections increased by 10%. During 1998, the Neuroanatomy Collections added 11 new research collaborations. The increase in these two categories can be attributed to increased research referrals from Museum and AFIP staff members and the Internet, and increased participation in community outreach programs. To bring the value of the Neuroanatomy Collections to the public and to cultivate and stimulate interest in neuroanatomy, an aggressive outreach effort was implemented in 1998. Groups such as the National Youth Leadership Forum on Medicine and Rappahannock High School from Washington, Virginia, visited the Museum to hear talks on career and research opportunities in neuroscience.

For Brain Awareness Week, talks were presented at Dasher Green Elementary School in Columbia, Maryland, and Georgetown University in Washington, DC, on brain functions.

The Neuroanatomy Collections were instrumental in educational efforts also. Alexander Tsiaras of Anatomical Travelogue, Inc., used images from the Neuroanatomy Collections for an educational documentary project titled "The Brain, Central Nervous System and Alzheimer's." Dr. Donald Riggomonti of the Nurse Anesthesia Department at the Uniformed Services University of the Health Sciences (USUHS) used the collection to produce an interactive CD-ROM for students who are taking the Nurse Anesthesia course at USUHS.

During the course of the year, the Neuroanatomy Collections contributed to various print publications. "The Hippocampus including: Normal Anatomy and Pathology," by Dr. L. Anne Hayman, director, Herbert J. Frensky Center for Imaging Research at Baylor University College of Medicine appeared in the October edition of the *American Journal of Radiology*. In the article, images from the Yakovlev-Haleem Collection were used to demonstrate the normal and abnormal anatomy of the hippocampus. The collections also contributed to *The Comparative Pathology Bulletin Congressional Quarterly*. Collaborations with Wally Welker, Ph.D., of the University of Wisconsin-Madison and John Johnson, Ph.D., of Michigan State University have been funded for another 3 years by the National Science Foundation. This funding will make possible additional database development for Internet use.

Tours

The Neuroanatomy Center hosted approximately 35 tours during 1998. Visiting military VIP's, school tours, and professional organizations have all used the center.

Acquisition

In 1998, the Neuroanatomy Center acquired the Publos Anatomical Collection from Benjamin H. Publos, Jr., Ph.D., and Lillian M. Publos, Ph.D. The collection consists of serially sectioned comparative brains and brainstems.

PRESENTATIONS

1. January 10, 1998: NMHM/AFIP, Smithsonian Associates tour of the Washington area's Civil War defenses, "Civil War medicine," Paul Sledzik.
2. January 15, 1998: Washington, DC, Washington Society for the History of Medicine, "The Imperial Japanese Army Medical Department," Alan Hawk.
3. March 23, 1998: New Orleans, La, American Academy of Orthopaedic Surgeons Annual Meeting, "Surgical resection of the proximal humerus in the American Civil War" (poster), John R. Prahinski, Richard Schaefer, Paul Sledzik, and Kathleen McHale.
4. March 28, 1998: Denver, Colo, National Disaster Medical Systems Meeting, "The role of forensic anthropology in mass disasters," Paul Sledzik.
5. April 1998: Bethesda, Md, Uniformed Services University of the Health Sciences, Research Day, "Comparative mammalian brain collections website: a neuroscience teaching resource," J. I. Johnson, W. Welker, C. L. Dizack, A. J. Fobbs, Jr., A. Noe.
6. April 1998: Bloomington, Ind, American Studies Program, "Veterans and American memory," Robert Goler.
7. April 1-2 1998: Bethesda, Md, Uniformed Services University of Health Science Research Day, "Carnegie computer models and the emulation of embryonic development," poster by Deborah

Sweet.

8. April 1998: Bethesda, Md, Uniformed Services University of the Health Sciences Research Day, "Brain Library: primate brains-prototype of the CD-ROM for making available images of whole brains and stained sections for museum collection," A. Fobbs, Jr., J. I. Johnson, A. J. Kurtz, R. G. McIncrow, and W. I. Welker.
9. May 1998: Los Angeles, Calif, American Association of Museums, "Different roads to accreditation," Robert Goler.
10. June 3, 1998: San Diego, Calif, American Academy of Pediatrics Annual Meeting, "Computer assisted 3-dimensional reconstruction of serial microscopic section of epididymal-testicular descent," platform presentation, Dale Huff.
11. June 5, 1998: Washington, DC, Internal Medicine Clinical Review, Suburban Hospital, "The Imperial Japanese Army Medical Department," Alan Hawk.
12. June 9, 1998: Washington, DC, Medical Grand Rounds, Fairfax Hospital, Department of Medicine, "Imperial Japanese Army Medicine during World War II," Alan Hawk.
13. June 8-12 1998: Lexington, Ky, American Association of Clinical Anatomists Annual Meeting, "A historic perspective on reconstructive modeling of anatomical forms," poster session, William Discher.
14. June 20-25 1998: San Diego, Calif, Teratology Society Meeting, "A research resource in development," poster session, William Discher.
15. June 5, 1998: Washington, DC, Internal Medicine Clinical Review, Suburban Hospital, "The Imperial Japanese Army Medical Department," Alan Hawk.
16. August 20, 1998: WRAMC Intern Class Meeting, "Do our best for the wounded; The Medical Department of the National Liberation Front," Alan Hawk.
17. September 25, 1998: Bethesda, Md, "Hermann Faber: lecture, The Fourth International Comics and Animation Festival (ICAF), Civil War medical illustrator as one-time caricaturist," Michael Rhode.
18. October 1998: WRAMC Grand Rounds, Department of Surgery, "Imperial Japanese Army Medical Department," Alan Hawk.
19. October 20, 1998: Washington, DC, American Society of Clinical Pathologists/College of American Pathologists, "John Wilkes Booth: Man or Mummy?" Paul Sledzik.
20. October 1998: Washington, DC, 25th Annual Conference on Washington Area Studies (The George Washington University/Historical Society of Washington), "Local History Awards," Robert Goler.
21. October 15, 1998: Fairfax, Va, Seminar in Database Design, "Challenges for database design in the Human Developmental Anatomy Center," Liz Lockett.
22. November 2, 1998: Krasnow Institute of Advanced Studies Series Applications for Advanced Medical Informatum, Adrienne Noe.
23. November 20, 1998: Mid-Atlantic Regional Archives Conference (MARAC), "Practical heresy or heretical practicality?" lecture for "So Many Boxes So Little Time," Time Management in Archives session, Michael Rhode.
24. November 1998: Los Angeles, Calif, "Museum resources for teaching of neuroscience," 28th Annual Meeting of the Society for Neuroscience, A. J. Fobbs, A. Noe, S. Westbrook, J. F. Johnson, W. I. Welker, and B. R. Walker.

PUBLICATIONS

1. Huff D, Lockett E, Noe A. Computer assisted 3-dimensional reconstruction of serial microscopic sections of epididymal-testicular descent. *J Urol.* 1998;169(5)(suppl):78. Abstract 295.
2. Goler R. The National Museum of Dentistry (Baltimore, MD). *The Public Historian.* 1998;20: 94-99. Exhibition review.
3. Goler R. The ingenious work of nature. *Bulletin of the History of Medicine.* 1998;53:318-323. Exhibition and catalog review.
4. Goler R. Can a museum convey intellectual history? *The Chronicle of Higher Education.* December 1998:B6-7.
5. Sledzik PS. Forensic taphonomy: postmortem decomposition and decay. In: Kathy R, ed. *Forensic Osteology II.* Springfield, Ill: Charles C Thomas; 1998:109-119.
6. Sledzik PS. Anthropology and mass fatality response. *Proceedings of the International Symposium on Family and Victim Assistance for Transportation Disasters*, sponsored by the National Transportation Safety Board; September 28-29, 1998; Arlington, Va.